°TASK ORDER (TO)
GSQ0016AJ0020

Mission Information Technology (IT)

in support of:

Joint Improvised-Threat Defeat Organization (JIDO)

Issued to:
Booz Allen Hamilton (BAH) at 8283 Greensboro Drive, McLean, VA 22102
under
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C.1. BACKGROUND

The Joint Improvised Explosive Device Defeat Organization (JIEDDO) was established in 2006 as a Deputy Secretary of Defense (DSD) directed initiative with the mission to rapidly provide solutions to defeat the enemy's improvised threat campaign and save the lives of service members deployed fighting insurgent networks that employ improvised threats as a strategic weapon of choice. On March 11, 2015, the DSD directed the establishment of JIEDDO as a Defense Agency, designated JIEDDO as a Combat Support Agency (CSA), and directed that it be aligned under the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)). On April 30, 2015, the DSD approved an USD (AT&L) request to rename JIEDDO as the Joint Improvised-Threat Defeat Agency (JIDA). JIDA Initial Operational Capability (IOC) occurred October 2015. Subsequently in accordance with fiscal year (FY) 2016 National Defense Authorization Act (NDAA) language, JIDA was directed to realign to an existing CSA and began coordination efforts to align with the Defense Threat Reduction Agency (DTRA).

A formal decision on the JIDA alignment under DTRA as a single joint organization was made by the Secretary of Defense, in part, through a FY 2017 Resource Management Decision in support of the Presidential Budget submission. This document implements the DSD-directed renaming and organizational realignment of JIDA from the Army to USD (AT&L), renames the organization the Joint Improvised-Threat Defeat Organization (JIDO), and approves the request from the USD (AT&L) to transfer all current JIDA resources from the Services to the JIDO under the DTRA to ensure the Department proceeds on the most effective course for realigning a single, accountable entity. On 1 October 2016, JIDA officially transitioned to become part of DTRA and is now known as JIDO.

Historically, JIEDDO services support contracts were independently created and implemented by the three organizational entities listed below.

1. Former Counter-IED Operations/Intelligence Integration Center (COIC) employed an enterprise strategy entitled "Capstone" supported by GSA Federal Systems Integration and Management Center (FEDSIM) Assisted Acquisition Services (AAS).
2. JIEDDO Center of Excellence (JCoE).
3. JIEDDO Contracts Division (CD) solicited and awarded contracts as needed using both internal and external contract acquisition organizations.

In order to streamline and simplify the acquisition of contract support services, JIDO integrated these independent and uncoordinated contracting activities and artifacts into a new Enterprise Acquisition Strategy Initiative (EASI) consisting of six TOs. The overall objectives of the EASI strategy, including this TO, are to:

1. Meet current and evolving mission requirements,
2. Comply with acquisition laws, regulations, and policies,
3. Improve mission effectiveness, output, and organizational synergy.

JIDO enables DoD actions to counter improvised threats in support of Combatant Commanders with tactical responsiveness and anticipatory acquisition to prepare for and react to battlefield or operational surprise. JIDO is an integrated joint organization that supports counter-terrorism (CT), counter-insurgency (COIN), and other related mission areas including counter-improvised explosive device (C-IED). JIDO responds to changing threats where improvised weapons and

associated threat networks are having the most adverse effects on United States (U.S.) Joint Force maneuverability and force protection.

C.1.1 PURPOSE

The purpose of this TO is to provide Mission Information Technology (IT) support services to the Joint Improvised-Threat Defeat Organization (JIDO).

This TO provides direct support to the JIDO J6 organization. The J6's mission is to enable rapid aggregation, fusion, and dissemination of operational information, intelligence, and technology to respond to emerging threats. The J6 organization solves emerging analytical problems through implementation of custom-developed IT capabilities as well as by operationalizing advanced technologies from public, private, and academic sectors. J6 Mission IT Capabilities support global situational awareness augmented by focused support to JIDO-approved initiatives and decisive efforts. The J6 organization's response to emerging threat requires the ability to innovate, adapt, and meet additional as-need support while leveraging analytical Techniques, Tactics, and Procedures (TTPs) learned from embedded support to Combatant Commands (COCOMs) and tactical operations.

C.1.2 AGENCY MISSION

JIDO accomplishes mission objectives through 1) sustaining information technology to enable collection, fusion, and analytical support, 2) embedding operational analytical, training, and advisory expertise at the tactical edge as requested by the COCOMs, 3) supporting Combatant Commanders through dedicated reach-back support to enhance intelligence and other analytics, and 4) enabling rapid counter-improved-threat solution development and delivery with training support. This support is further enhanced by leveraging broad Communities of Action (CoA) that include DoD, United States Government (USG) agencies, key partners and allies, academia, and the private sector for capability, expertise, and access to counter threat networks and their associated improvised weapons. From a Mission Information Technology (IT) perspective, an embedded tactical presence with US Forces allows JIDO to identify gaps to enable investments in counter-threat technologies, delivering urgent (zero to two years) Mission IT solutions within the Combatant Commanders' latest time of value (LTOV).

C.2 SCOPE

This TO requires the contractor to:

a) Provide program-management services,
b) Provide transition-in and transition-out services,
c) Deliver Mission IT capabilities at the enterprise level and out to the tactical edge,
d) Provide direct operations and innovation support,
e) Provide additional as-need support in response to changing mission requirements around the globe.

JIDO operates within the Continental United States (CONUS) and Outside CONUS (OCONUS) in support of COCOMs, deployed forces, foreign Government partners and coalitions, as well as USG defense, homeland security, law enforcement, and intelligence agencies. The JIDO headquarters and J6 organization are located primarily in Sensitive Compartmented Information Facilities (SCIF) in Northern Virginia.

C.3 CURRENT INFORMATION TECHNOLOGY (IT)/NETWORK ENVIRONMENT

The JIDO J6 Mission IT team has created a one-of-a-kind capability to ingest, fuse, analyze, and present mission-relevant data and information with the potential to provide immediate assistance to DoD and the Whole of Government. This capability is a fully accredited/authorized DoD Secret Internet Protocol Network (SIPRNet) and Intelligence Community (IC) Joint World Wide Intelligence Communications System (JWICS) based data analytical cloud architecture. The architecture allows for data access, system stability, scalability, and advanced analytical capabilities across approximately 600 data sources with more data sources added regularly. Access to comprehensive, timely, and accurate data and information is critical to intelligence analysts to help their leaders make informed decisions. JIDO's capability is a cloud architecture based on the National Security Agency (NSA) Ghost Machine Cloud Reference Architecture. The system's stack is comprised of core technologies primarily from the open-source community (e.g., Apache Accumulo, Solr, Hadoop File System (HDFS), Kettle, etc.).

The capability Architecture/Framework provides an analytical application architecture that allows analysts to search multi-source data on a single interface. The data that flows into JIDO's system consists of structured, semi-structured, and unstructured reports and information from a multitude of sources across the DoD, the IC, USG Agencies, open-source information, and more. These data are run through the system's ingestion pipeline where entities are extracted and all text is indexed. The ingestion process includes full-text, locations, and time indexing. The system's single, secure, schema-less repository preserves the original documents from sources for use in further processing, exploration, and exploitation. A flexible extract, transform, load (ETL) framework requires minimal effort to add additional content while identifying security markings and other relevant metadata.

Complimenting JIDO's data analytical cloud architecture is a suite of tools that leverage the data processing power of the system to rapidly discover information such as people, places, phone numbers, email addresses, and then search through the data by keyword, time, and location filters. The tools include advanced search and filtering capabilities, Keyhole Markup Language (KML) generators and visualization tools.

Mission IT capabilities are deployed to enterprise networks maintained by the JIDO J6 and other organizations within the USG, allies, and coalition partners. The JIDO J6 capabilities enhance and are integrated into DoD and IC enterprise services. The JIDO J6 also provides direct, integrated Mission IT support on-site at COCOMs, within partner organizations, and to deployed missions around the globe.

C.4 TASKS

The following describes the services required for each Task. The contractor shall provide products and services in a timely and cost-effective manner and shall perform to or exceed the desired outcomes contained in the Performance Requirements Summary (PRS) in **Section J, Attachment I**.

a. **Task 1 Provide Program Management:** Program Management includes the effective and efficient management, tracking and reporting of all work, travel support, deliverables, financials, and invoices as well as the accountability and security of all personnel. Program Management includes acquisition of hardware, software, and services.

b. **Task 2 Transition Support:** Transition-In ensures the smooth and orderly transition of the current JIDO Mission IT support contracts. Transition-Out ensures that all knowledge, data, material and information developed by or provided to the contractor are transitioned and delivered to an incoming contractor /Government personnel by the end of this TO.

c. Task 3 Provide Mission IT Capabilities: Includes all activities required to define, develop, integrate, customize, field, replicate, and support mission IT capabilities, including Government Open Source Software (GOSS), Government Off the Shelf Software (GOTS), Commercial Open Source Software (COSS), Commercial Off the Shelf Software (COTS), custom developed software, and innovations from public, private and academic sectors.

d. **Task 4 Provide Direct Operations Support:** Includes all activities required to respond to Requests For Support (RFS) and deliver support to JIDO mission partners, IT integration and innovations support, data sciences, data-source management, data-supplier agreements, and training and conference support.

e. **Task 5 Provide Mission IT As-Needed Support (Optional Task):** Include as-needed support within this TO in response to changing mission requirements and world events anywhere in the world.

f. **Task 6 Support Emerging Problem Sets and Inter-Agency Agreements (Optional Task):** Support JIDO initiatives and projects, including Mission IT capabilities support, direct operations support, and innovation support in response to new JIDO mission requirements, warfighter RFS, emerging problem sets, and inter-agency support agreements.

C.4.1 TASK 1 – PROVIDE PROGRAM MANAGEMENT

The contractor shall provide effective delivery of the required deliverables and shall ensure that contractor performance is within PRS targets in terms of quality, cost, and schedule objectives.

The contractor shall provide all necessary program and project management and contractor management, functional, financial, and technical personnel resources necessary to support this TO.

The contractor shall identify a TO Program Manager (TOPM), a Key Personnel, to serve as the primary interface and point of contact with the FEDSIM Contracting Officer's Representative (COR) and the JIDO Technical Point of Contact (TPOC) for matters of operational and technical delivery. The contractor's TOPM shall be responsible for managing and overseeing the activities of all contract personnel that support this order, to include subcontractor and teaming partner personnel.

The contractor shall institute and maintain the highest level of management and quality processes and methodologies that ensure quality performance is obtained within cost and schedule constraints of this TO. The contractor shall regularly report technical, financial, personnel, and general managerial problems to the FEDSIM COR and JIDO TPOC throughout the TO period of performance, and elevate the immediacy of the reporting based on the significance of the problem. This TO may be funded by contributions from other Government Agencies, by various

budget authorities and appropriation expenditure accounts, which may be designated as projects requiring separate cost, expenditure, and performance reporting.

C.4.1.1 SUBTASK 1.1 – COORDINATE A PROJECT KICK-OFF MEETING

The contractor shall schedule, coordinate, and host a Project Kick-Off Meeting within **seven** calendar days of task TO award at a location approved by the Government. The meeting will provide an introduction between the contractor's personnel and the Government personnel who will be involved with the TO. The meeting will provide the opportunity to discuss technical, management, financial, security, and travel and reporting procedures. At a minimum, the attendees shall include key contractor personnel, representatives from JIDO J6, the JIDO TPOC, FEDSIM COR and the FEDSIM Contracting Officer (CO). The contractor shall provide the following at the Kick-Off Meeting:

a. Transition-In Plan (**Section F.3, Deliverable 01**)
b. Introduction of contractor team members and capabilities
c. Overview of the TO scope, schedule, and deliverables
d. Security requirements/access procedures
e. Invoice procedures
f. Points of contact
g. Additional issues or concerns
h. Draft Project Management Plan **(Section F.3, Deliverable 02)**

The contractor shall provide a draft copy of the agenda **(Section F.3, Deliverable 03)** for review and approval by the FEDSIM COR and the JIDO TPOC prior to finalizing. The Government will provide the contractor with the number of participants for the Kick-Off Meeting. The contractor shall provide sufficient copies of the presentation for all attendees.

C.4.1.2 SUBTASK 1.2 – PREPARE CONCEPT OF OPERATIONS (CONOPS)

Within 90 calendar days of TO start, the contractor shall deliver, and update as directed, a TO CONOPS **(Section F.3, Deliverable 04)** for Government review and approval. The TO CONOPS will demonstrate the contractor's understanding of the JIDO and J6 mission and describe the contractor's approach to supporting the Government's execution of the JIDO and J6 mission. The CONOPS shall describe the contractor's labor capacity management model and approach to providing mission IT support that rapidly adjusts and scales to support approved initiatives, decisive efforts, and additional as-needed requirements. The TO CONOPS will demonstrate the contractor's approach to enabling the contractor's understanding of the JIDO CONOPS, emerging threat, and analytical problem sets. The contractor shall identify its approach to inform mission IT activities through feedback, lessons learned, TTPs, and Area of Responsibility (AOR) insights from mission IT users, including deployed forces and intelligence analysts. The CONOPS shall describe the contractor's approach to rotation of personnel across functions and teams such as data sciences, data integrators, innovation teams, and embedded support to improve mission knowledge and diversification of skill sets.

The CONOPS shall describe the contractor's approach to bridging gaps in on-site support to mission partners resulting from personnel changes and other unforeseen circumstances (Reference Subtask 4.2.1). If the contractor provides temporary on-site support, that support may not exceed 60 calendar days without the approval of the JIDO TPOC.

C.4.1.3 SUBTASK 1.3 – PREPARE A MONTHLY STATUS REPORT (MSR)

The contractor shall develop and deliver a MSR **(Section F.3, Deliverable 05)** in briefing format that provides, at a minimum, the following information:

a. Percentage of funding and ceiling expended per CLIN.
b. TO overview depicting trending for financial, schedule, staffing, and risks.
c. Summary of work accomplished by task area and project during the reporting period.
d. Actual travel costs for the month and planned travel costs for the following month.
e. A personnel roster in organization chart format of individuals assigned to the TO and whether each is a Full-Time Equivalent (FTE) or a fraction of an FTE. Include FTE count by task and provide a combined total for the TO.
f. Service Level Agreement (SLA) scorecard depicting monthly performance against Acceptable Quality Level (AQL) for each SLA.
g. Financial overview by CLIN including actual expenditures, accrued non-invoiced expenditures, graphical representation of current and projected expenditures compared to funded value and ceiling value, and Estimate at Completion (EAC) and Estimate to Complete (ETC) values by CLIN for the current period of performance.
h. Invoice and payment history.
i. Cost, expenditure, and percentage of completion reporting for designated projects, efforts, and initiatives (i.e., tracking of projects designated by the JIDO TPOC or FEDSIM COR for separate project-level tracking and that may be funded with contributed funding, additional as-needed funding, or other types of Government funding.)
j. Program issues, risks, and mitigations.
k. Actions required by the Government.

The contractor shall deliver a monthly labor CLIN(s) EAC report that details total estimated labor costs through the end of the current option year **(Section F.3, Deliverable 06)**.

C.4.1.4 SUBTASK 1.4 –PREPARE TRIP REPORTS

The contractor shall follow JIDO travel procedures and FEDSIM travel approval procedures. All travel is to be approved by the Government in advance. The contractor shall submit Trip Reports **(Section F.3, Deliverable 07)** after completion of a trip for all long-distance travel. The Trip Report shall follow guidance and format requirements specified by JIDO and shall include the following information:

a. Names of personnel who traveled
b. Dates of travel
c. Destination(s)
d. Specific Purpose of Trip
e. Estimated Trip Costs
f. Approval Authority (Copy of the document authorizing travel by JIDO, e.g. the ATM number)
g. Summary of events

C.4.1.5 SUBTASK 1.5 – PROVIDE INTEGRATED PROGRESS REVIEWS (IPR)

The contractor shall present the MSR at a monthly Integrated Progress Review (IPR) **(Section F.3, Deliverable 08)** meeting to the JIDO TPOC and the FEDSIM COR. The IPR shall be

scheduled within five business days after MSR delivery, pending availability of Government personnel.

C.4.1.6 SUBTASK 1.6 – PREPARE PROJECT MANAGEMENT DOCUMENTATION

The contractor shall prepare and update, as required, project management documentation **(Section F.3, Deliverable 09)** for efforts designated by the JIDO TPOC as projects or additional as-needed efforts. Projects, additional as-needed efforts, and other activities within the scope of this TO may be funded by contributed funds from other Government Agencies.

a. The contractor shall prepare and submit Principle Duty Assignment Information Forms (PDAIF) and other information and forms required for the onboarding and out processing of contractor personnel in support of JIDO personnel, security, facilities, and other functions when personnel are added or removed from the TO.
b. The contractor shall prepare and update project plans and schedules, in Microsoft Project, with work breakdown structures (WBS), milestones, schedules, or other information as appropriate for each project.
c. The contractor shall prepare cost estimates, staffing plans, scoping documentation, technical approach descriptions, and other planning information for additional as-needed efforts, initiatives, projects, and other activities within the scope of this TO. Projects and services may be segregated, managed, and reported by scope or by source/type of funding as directed by the JIDO TPOC.
d. As directed by the JIDO TPOC, the contractor shall provide cost estimates and other information required to calculate the total cost of ownership of mission IT capabilities.

The contractor shall prepare and update, as directed, a SLA (**Section F.3, Deliverable 10**) to augment the PRS for Government review and approval. The SLA shall include details on the performance measures, AQLs, monitoring methods and incentives/deterrents as indicated in the PRS **(Section J, Attachment I).**

C.4.1.7 SUBTASK 1.7 – SUPPORT AND PARTICIPATE IN PROJECT AND TECHNICAL MEETINGS

The contractor shall participate in technical working groups, technical interchange meetings, project management reviews, and shall support technical requirements review meetings throughout the TO period of performance in support of JIDO activities. Examples include non-recurring and recurring (on a daily, weekly, or monthly basis) stand-up meetings, JIDO J6 leadership meetings, project and technical status briefings, requirements reviews, technical exchange meetings with internal and external organizations, recurring briefings to JIDO J6 leadership, and other briefings and meeting support as directed by the FEDSIM COR and/or JIDO TPOC.

The contractor shall be responsible for the coordination of TO activities that cross JIDO organizations and for providing representation on integrated project teams to ensure effective cross-organizational support, coordination, and collaboration. The contractor shall develop Briefing/Presentation Materials, Reports, and Plans (**Section F.3, Deliverable 11**). The contractor shall also prepare a record of each meeting **(Section F.3, Deliverable 12),** including IPRs and status meetings.

The contractor shall provide Project Briefings (**Section F.3, Deliverable 11**) on technical and management issues related to the requirements of the TO to the JIDO TPOC, the FEDSIM COR, and others as authorized by the JIDO TPOC.

C.4.1.8 SUBTASK 1.8 – PROVIDE MISSION IT ACQUISITION SUPPORT

The contractor shall execute purchases of Mission IT related hardware, software, support services, and ODCs. In collaboration with J6 Configuration Management, the contractor shall track Mission IT software requirements, licenses, versions, quantities, renewal dates, and other information required to sustain the Mission IT baseline and support additional as-needed initiatives. The contractor shall provide cost estimates, technical specifications, feature comparisons, and functional assessments to assist J6 leadership with adopt/buy/create decisions and with the selection of advanced technologies from Government, commercial and academic sources. The contractor shall initiate purchase requests in the JIDO acquisition management systems for approval by the JIDO TPOC and the FEDSIM COR prior to acquisition. The contractor shall follow JIDO configuration management (CM) procedures and coordinate with JIDO enterprise IT personnel. The contractor shall coordinate delivery of equipment from suppliers and JIDO facilities.

C.4.1.9 SUBTASK 1.9 - CONTRACTOR MANPOWER REPORTING

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: http://www.ecmra.mil/

Reporting inputs will be for the labor executed during the period of performance during each Government FY, which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk at: http://www.ecmra.mil/.

Contractors may use Extensible Markup Language (XML) data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the web.

C.4.1.10 SUBTASK 1.10 IMPROVE TO EFFICIENCIES AND EFFECTIVENESS

The contractor shall establish a continuous process improvement program with the objective of reducing costs while improving quality and mission effectiveness. Cost reductions that are accompanied with demonstrated quality improvements will be rewarded in accordance with a scheme proposed by the contractor (. earned award fee) and approved by the Government in the PRS and AFDP.

The contractor shall identify and propose discrete innovation projects (IPs) for Government approval. Proposed IPs are not restricted to this TO. Each IP shall include the following information as a minimum:

a. Estimated cost savings or cost avoidance,
b. Expected and measurable improvements to quality or mission effectiveness,
c. Time line for implementation,

d. Government provided material, information, assistance, and funding (if needed).

For each Government approved IP, the contractor shall prepare and submit a detailed Plan of Action and Milestones (POA&M) within 30 calendar days **(Section F.3, Deliverable 13)**. The Government will prioritize the IPs and authorize a start date for each. The contractor shall track and report estimated and actual/realized cost savings or cost avoidance as well as realized quality and mission effectiveness changes (positive or negative) for each Government-approved IP.

C.4.1.11 SUBTASK 1.11 ASSIST JIDO TRANSITION TO DTRA

The contractor shall assist JIDO transition to the DTRA in accordance with the Transition Plan. This includes preparing written material for JIDO approval, supporting and participating in meetings between JIDO and DTRA, identifying opportunities for interagency cooperation, teaming, and integration, and recommending changes to operating procedures.

C.4.2 TASK 2 –TRANSITION SUPPORT

Desired Outcomes: JIDO support is sustained in a controlled and deliberate manner throughout transition with no degradation in capabilities. Transition-In shall begin immediately at time of TOA. Initial Operational Capability (IOC) is achieved on or before Project Kickoff meeting. Full Operational Capability (FOC) is achieved as soon as possible but no later than 30 days (CONUS-based tasks as applicable), or 45 days (OCONUS-based tasks as applicable), after TOA. Transition Out is planned and managed effectively.

IOC is defined as follows:

1. All required staffing to accomplish Transition-In activities are in place.
2. The initial baseline Time Phased Labor Mix (TPLM), as specified in subtask 2.1, has been submitted to the Government and required staffing in-processing activities are in progress.
3. Coordination efforts are established and synchronized with legacy contractors for their Transition-Out activities (facilitated by Government).
4. Contractor is in full control of Transition-In activities and required JIDO support is being effectively managed.

FOC is defined as follows:

1. All tasks are fully staffed with fully qualified and trained personnel.
2. The contractor assumes full responsibility for management of all TO requirements.
3. All TO performance measures are in force and enforced.
4. No further support required from the outgoing contractors.

TO staffing shall be phased in over time as world events drive the need for additional as-needed support. Staffing and transition flexibility is the key to successful implementation of this TO. The contractor shall ensure a smooth and orderly Transition-In to establish required support, and the contractor shall ensure all knowledge, data, material, and information developed by or provided to the contractor is transitioned and delivered to the Government by the end of the contract period. Historical staffing levels are provided for reference in **Section J, Attachment B**.

C.4.2.1 SUBTASK 2.1 – IMPLEMENT TRANSITION-IN PLAN

The contractor shall ensure a smooth transition of support services with no degradation in capabilities during transition. Transition shall begin immediately at TOA.

The contractor shall submit its final Transition-In Plan **(Section F.3, Deliverable 1)** and TPLM **(Section F.3, Deliverable 14)** for Government approval at project kickoff. The Transition-In Plan shall include measurable milestones and decision gates (with entrance and exit criteria) for Government review at weekly Operational Readiness Reviews (ORRs). The TPLM shall identify all personnel and positions to transition to the TO, when they transfer, and their role. The Government will review and accept this TPLM as the initial baseline. Within one week after Government acceptance of the baseline TPLM, the contractor shall ensure that the JIDO Joint Manning Document (JMD) is updated to reflect this baseline without errors (including false positives and false negatives). The contractor shall not invoice before personnel are entered in the JMD. Changes to the JMD must be approved by the JIDO TPOC.

C.4.2.2 SUBTASK 2.2 - PROVIDE TRANSITION-OUT SUPPORT

The contractor shall develop a Transition-Out Plan **(Section F.3, Deliverable 15)** for transitioning and delivering all material and information from this TO to the Government. The plan shall identify all Government-Furnished Material and Contractor-Furnished Material (GFM/CFM) as well as information and material developed during the TO that was used in the execution of this TO. The Transition-Out plan shall be submitted for Government approval. Upon incorporation of comments and Government acceptance, the contractor shall follow the plan to transfer all material, information, and rights thereto to the Government.

The contractor shall facilitate and conduct transition-out activities. The contractor shall update system descriptions and technical descriptions of all software, systems, and mission support activities delivered or performed under this TO. The contractor shall support transition of administrative and privileged access to the incoming contractor/Government, ensuring that no administrative access is lost. The contractor shall prepare a final report documenting the status of all ongoing efforts and projects **(Section F.3, Deliverable 16)** and a smart book/turnover binder containing copies of all plans, policies, procedures, points of contact, file storage locations for technical diagrams and documentation, and other information requested by the Government **(Section F.3, Deliverable 17)**. Transition-out shall ensure no disruption to vital Government business. The contractor shall provide full cooperation in providing necessary operational knowledge to the incoming contractor.

Transition-Out shall include the following types of services:

a. Project management processes
b. Identification of points of contact
c. Location of technical and project management documentation
d. Status of ongoing technical initiatives and projects
e. Incumbent contractor coordination to ensure a seamless transition
f. Transition of Key Personnel
g. Identification of schedules and milestones
h. Identification of actions required of the Government
i. Establishment and maintenance of effective communication with the incoming contractor and Government personnel for the period of the transition via weekly status meetings

C.4.2.3 SUBTASK 2.3 – IMPLEMENT TRANSITION-OUT PLAN

The Transition-Out plan shall facilitate the accomplishment of a seamless transition from the incumbent to an incoming contractor and/or Government personnel at the expiration of the TO. The contractor shall provide a Transition-Out plan NLT 90 calendar days prior to expiration of the TO.

The contractor shall implement its Transition-Out Plan no later than (NLT) 60 calendar days prior to expiration of this TO.

C.4.3 TASK 3 – PROVIDE MISSION IT CAPABILITIES

Desired outcomes: Development, maintenance, and execution of a Government-approved Software Development and System Integration Plan (SDSIP) (**Section F.3, Deliverable 18**) that ensures that JIDO mission IT capabilities are delivered on time, within budget, and without defects that require correction and re-work. Development of new mission IT software tools and capabilities and support existing software and systems, and integration of mission IT capabilities including proofs of concept, prototypes, COSS, COTS, GOTS, GOSS, Non-Developmental Items (NDI), and Non-Materiel Solutions in response to Government-approved requirements both inside and outside of JIDO.

Within 30 calendar days of project start, the contractor shall deliver a SDSIP (**Section F.3, Deliverable 18**) for Government review and approval. The SDSIP shall align with the JIDO and J6 CONOPs and shall describe the contractor's methodology for delivering capabilities throughout the system lifecycle and at each step of the path to production that are defined in collaboration with J6 Government leadership. The SDSIP shall identify Government review and approval gates at each phase of the path to production. The SDSIP shall describe the contractor's approach, methodologies, steps, and process for delivering mission IT capabilities, including:

a. Software/System Development Lifecycle (SDLC) and path to production including scoping, requirements management, design, development, testing, installation support, maintenance, Tier-III support, and documentation.
b. Continuous optimization of the Mission IT path to production through advanced methodologies such as J6's implementation of Development and Operations (DEVOPS), Docker, etc.
c. A methodology for expedited delivery of capabilities to meet mission requirements on or before a Government-approved LTOV date set by the requestor. LTOV delivery time frames may range from a few hours to days or weeks depending on real world mission requirements. Expedited delivery provides the best possible capability within time and budget constraints, often in response to an urgent request by a JIDO mission partner or a war-fighter.
d. An adopt/buy/create decision process.
e. A method for calculation of Total Cost of Ownership and support analysis for Operations and Maintenance (O&M) of Mission IT capabilities in production environments (i.e., the O&M "tail").
f. A methodology for advanced technology prototyping and proof of concept efforts.
g. Source code management and version control processes.
h. Software assurance, secure coding practices, automated software security analysis/scanning, and cyber-security compliance including technical analysis of security scan reports and support to remediation efforts.

i. Quality control and testing methodologies.
j. Processes that allow for collaboration with and technical support to other J6 functions (e.g., enterprise IT operations, network engineering, CM, cybersecurity, etc.) throughout the SDLC at each step of the path to production.

C4.3.1 SUBTASK 3.1 – DEVELOP AND INTEGRATE MISSION IT CAPABILITIES

The contractor shall support Mission IT activities to include:

a. Development, integration, and lifecycle support for JIDO mission IT capabilities including Catapult Framework and Attack the Network Tools Suites (ANTS) within JIDO local area networks (e.g., Unclassified, Secret, and Top Secret Sensitive Compartmented Information (TS-SCI)), on DoD and IC enterprise networks (e.g., Unclassified Internet Protocol Network (NIPRNet), SIPRNet, JWICS), and other USG, allied, coalition, and special access networks as directed by the JIDO TPOC.
b. Collaboration, development, integration, testing, and lifecycle support to JIDO initiatives that integrate COTS products and services with GOTS products and JIDO capabilities, including acquiring commercial support for the effort.
c. Support JIDO's mission as an early adopter of innovative technologies by acquiring, leveraging, and implementing advanced capabilities, methodologies, technologies, and subject matter expertise from public, private, and academic sectors that may be conceptual, experimental, or the product of JIDO and non-JIDO Research and Development (R&D) programs.
d. Development of the full technology stack (i.e., all system components including platform for mission IT capabilities.)
e. Enhancement and acceleration of JIDO and non-JIDO enterprise services by developing mission IT capabilities that leverage the infrastructure and platforms of existing and emerging enterprise services and cloud solutions.
f. Development of software and applications, web-parts, widgets, skins, and capabilities per an approved SDSIP.
g. Delivering expedited development, hot fixes, error corrections, patches, feature revisions, and upgrades in response to Government-approved requirements from within and outside JIDO, RFSs, and Joint Urgent Operational Needs (JUONs).
h. Obtain, report, and apply feedback and lessons learned from users in all JIDO operating environments including deployed and tactical operations.
i. Perform lifecycle maintenance (e.g., enhancements, revisions, patches, updates, fixes, etc.) and provide Tier III technical support to JIDO mission IT capabilities.
j. Integration and maintenance of ingest functionality for approved data sources for mission IT capabilities.
k. Collaboration with JIDO Enterprise IT Operations and support the design, implementation, and maintenance of back up and disaster recovery capabilities for maintaining mission IT capabilities.
l. Maintain compliance with JIDO CM procedures.

The contractor shall respond to quick reaction and expedited requests for support as directed by the JIDO TPOC or the FEDSIM COR to provide Mission IT support within the scope of this TO anywhere in the world and on a very short notice. For example, support may be in response to interruption in mission IT capabilities, requirements to provide direct technical support to deployed forces, assessment of mission needs and TTPs in CONUS and OCONUS locations,

emergency requirements for implementation of new or modified IT capabilities, or additional as-needed projects in response to new and emerging JIDO missions.

The contractor shall respond to emerging requirements by adjusting staffing, skills, technical capabilities and priorities to deliver against evolving mission requirements. The contractor shall acquire and leverage advanced capabilities, methodologies, and technologies from public, private, and academic sectors in response to mission requirements.

The contractor shall deliver Government approved capabilities that may be installed in JIDO and non-JIDO IT environments operated by the U.S. Government, allies, coalitions, and foreign partners. Classification levels of data, networks, and capabilities may include Unclassified, Secret, TS/SCI, and special access programs.

Within 90 calendar days of TO start, the contractor shall deliver a Mission IT Baseline Assessment **(Section F.3, Deliverable 19**) for Government review and approval. This deliverable shall inventory and assess the JIDO Mission IT technology baseline including existing Mission IT software and systems, planned capabilities, support requirements and make recommendations for improvement where appropriate (i.e., JIDO does not have an initial requirement at TO inception to initiate development of a new capability architecture/framework or migration to a commercial cloud service). The contractor-shall prepare and maintain a Mission IT Roadmap **(Section F.3, Deliverable 20)** as directed by the JIDO TPOC.

The contractor shall comply with DoD and IC cybersecurity implementation guides, instructions, frameworks, and directives. Cybersecurity shall be integrated into the contractor's SDSIP. The contractor shall ensure that cybersecurity requirements are treated like other system requirements and are addressed early and continually throughout the system lifecycle in response to evolving threat, risk, compliance requirements, and mission. The contractor shall perform automated software code security analysis/scanning (e.g. HP Fortify, CodeNarc, etc.) using Government-furnished software and provide test reports and analysis of findings (e.g. root cause, false positive, remedial actions, etc.) (**Section F.3, Deliverable 21**) in support of Independent Verification and Validation (IV&V), Security Test and Evaluation (ST&E), and the Authorization & Assessment (A&A) activities.

The contractor shall support cybersecurity activities by providing technical analysis of software vulnerabilities and flaws in collaboration with security controls assessors, testers, and risk assessment activities. The contractor shall support cybersecurity remediation activities, including completion of POA&M tasks for Mission IT capabilities. The contractor shall comply with the direction of JIDO cybersecurity officials, including the Authorizing Official (AO), Security Controls Assessor (SCA), and Information Systems Security Manager (ISSM). The contractor shall support JIDO efforts to ensure continued cybersecurity compliance in the technical baselines, system security architecture, data flows, and design of mission IT capabilities.

The contractor shall leverage or develop an automated dashboard (**Section F.3, Deliverable 22**) for reporting of labor capacity, requirements, backlog, burn-down rates, work in progress, projected completion dates, or other information as approved by the JIDO TPOC (Atlassian JIRA software is currently in use). The contractor shall support J6 efforts to measure and improve the Mission IT path to production by tracking and reporting development and integration efforts from inception to installation in the production environment as directed by the Government. The contractor shall track and report user adoption rates for Mission IT

capabilities. The contractor shall maintain an automated capability or dashboard that tracks and reports Mission IT usage statistics directly to J6 Government personnel.

The contractor shall deliver to the Government all designs, system descriptions, test plans, source code documentation (**Section F.3, Deliverable 23)**, and other technical materials without proprietary information and markings, unless approved by the JIDO TPOC. The contractor shall provide software code commenting and descriptions sufficient to ensure continuity of support and continued maintainability, as directed by JIDO TPOC.

The contractor shall support internal and external stakeholders by capturing, scoping, and validating mission and operational requirements and shall document these activities as directed by the JIDO TPOC (**Section F.3, Deliverable 11**). The contractor shall prepare and update System/Application Description Documents (SDD) (**Section F.3, Deliverable 24**) that describe requirements, design, components, and functionality for mission IT capabilities. The contractor shall maintain version description documentation and release notes for inclusion in the SDD, installation guides, and other documentation as appropriate for each new release or revision. The contractor shall maintain the SDD in compliance with JIDO CM processes and in compliance with DoD and IC cybersecurity controls and requirements.

The contractor shall develop a Master Test Plan (MTP) (**Section F.3, Deliverable 25**) and shall document test results in Test Reports (**Section F.3, Deliverable 21**). The MTP shall identify the contractor's approach to software and system quality, and test methodologies applied throughout the lifecycle including, where appropriate, unit testing, regression testing, functional testing, compatibility, interoperability testing, and other testing as directed by the JIDO TPOC. The contractor shall integrate automated code security testing and scanning tools into development processes.

The contractor shall prepare and update Installation Guides (**Section F.3, Deliverable 26**) to guide system administrators and independent testers through the process of installing software and systems in the target environments.

The contractor shall prepare User Guides (**Section F.3, Deliverable 27**) in electronic and/or printable format to assist cybersecurity testers, administrators, J6 CM, and end users with Mission IT Capability uses, features, and functionality.

The contractor shall prepare and submit Change Requests (CRs) (**Section F.3, Deliverable 28**) in compliance with JIDO CM processes and procedures to authorize changes to the JIDO IT baseline. CRs shall be opened at initiation of development and integration activities to enable J6 measurement of the full path to production.

The contractor shall prepare, update as needed, and provide technical support to the preparation of documentation in support of DoD Instruction 5000.02, the Joint Capabilities Integration and Development System (JCIDS), and JIDO's leadership approval processes (**Section F.3, Deliverable 11**). These documents may include requirements documentation, capability development documentation, capability production documentation, DoD Defense Architecture Framework artifacts, etc.

C.4.3.2 SUBTASK 3.2 – PROVIDE LEAD MISSION IT ARCHITECT SUPPORT

The contractor shall support mission IT architecture and capabilities. The contractor shall serve as the Mission IT technical subject-matter expert and advisor to J6 and JIDO leadership for activities within the scope of this TO. The contractor shall prepare briefing materials (**Section**

F.3, Deliverable 11), CONOPS (**Section F.3, Deliverable 11**), product demonstrations (**Section F.3, Deliverable 29**) and other technical materials as directed by the JIDO TPOC. Support may require local and non-local travel.

The contractor shall be responsible for:

a. Enterprise-level and system-level Mission IT architecture, security architecture, and overall design of capabilities, features and functionality.
b. Ensuring that mission IT capabilities align with the JIDO CONOPS and effectively address emerging threats and analytical problems.
c. Planning, strategy development, rationalization, and communication of JIDO Mission IT CONOPS and technical strategy.
d. Ensuring that analytic requirements and intelligence analysis TTPs (i.e., technical and procedural requirements from Mission IT Capability users; this does not identify a requirement to perform intelligence analysis under this TO) from users in enterprise and deployed tactical environments are identified to inform mission IT capabilities.
e. Leading special technology projects and research activities as directed by the JIDO TPOC.
f. Providing technical support to JIDO training missions, engagements, technical exchanges, product demonstrations, conferences, capability overviews, and briefings internally within JIDO and externally to JIDO partners.
g. Supporting meetings, delivering briefings, and providing demonstrations to Senior Executives and Flag Officers as required.
h. Providing technical advice on Mission IT architectural transformations and improvements to accommodate data-ingestion requirements.
i. Preparing technical documentation and artifacts, including DoD Architecture Framework artifacts and other technical deliverables (**Section F.3, Deliverable 30**).

C.4.3.3 SUBTASK 3.3 – SUPPORT EXTERNAL COLLABORATION

The contractor shall provide technical support to external Mission IT collaboration activities, including JIDO Whole of Government and Community of Action (CoA) initiatives. The contractor shall provide subject-matter expertise within the scope of this TO to JIDO's inter-agency collaboration with and among the DoD, IC, USG Agencies, U.S. allies and partners. The contractor shall support efforts to identify and implement mission IT capabilities that address the problem sets of USG agencies and mission partners. Support may include requirements definition, design, development, integration, prototyping, testing, and production support of Mission IT and analytical capabilities within the scope of this TO. Support may include assisting in development of Memorandum of Agreement (MoAs), Memorandum of Understanding (MoUs), and other agreements. The contractor shall provide technical support to JIDO tiger teams and strategic outreach initiatives to USG agencies, allies, and partners.

The contractor shall participate in and provide technical support to technical exchange meetings, synchronization meetings, technology demonstrations, leadership briefings, status meetings, conference presentations, and other meetings and events. The contractor shall support collaboration between JIDO, private sector, and academic sector organizations. The contractor shall prepare briefing slides, capability description materials, informational papers, mission IT capability descriptions, and other meeting support materials (**Section F.3, Deliverable 11**). The contractor shall prepare meeting minutes and after action reports (**Section F.3, Deliverable 12**).

C.4.4 TASK 4 – PROVIDE DIRECT OPERATIONS SUPPORT

Desired Outcome: Innovative analytical capabilities are developed and delivered to internal and external J6 customers in direct response to RFS. Sharing of data, capabilities, and analytical methods is effectively facilitated among JIDO and JIDO's mission partners to maximize adoption and adaptation. Acquisition and integration of data and new data sources are continuously managed and improved. Applied data sciences generate innovative analytical methodologies and capabilities. Mission impacts and customer satisfaction are measured and reported. Capabilities are informed by intelligence methods and insights from tactical environments. Capabilities are compliant with DoD and IC cybersecurity implementation guides, frameworks, directives, and standards as required for the target operating environment and in compliance with JIDO and local site cybersecurity officials.

Within 60 calendar days of project start, the contractor shall deliver an Integration and Operations Plan (**Section F.3, Deliverable 31**) for Government review and approval. This plan shall describe the contractor's approach to executing Task 4 direct operations support activities in alignment with the JIDO and J6 CONOPS. This plan shall describe the contractor's methods to foster collaboration and knowledge sharing among the contractor's personnel within this TO, mission-partner personnel, and JIDO personnel (e.g., JIDO J6 technologists and leadership, JIDO J2 intelligence analysts, etc.) The contractor shall identify a methodology for rotation of personnel, where feasible, among TO positions to improve team dynamics, knowledge sharing, collaboration, and skillset diversification. This plan shall describe the contractor's methodology of assessing and engaging each mission partner to identify unique mission requirements for delivery of customized mission support.

C.4.4.1 SUBTASK 4.1 - PROVIDE DIRECT OPERATIONS SUPPORT AND RAPID INNOVATION SUPPORT

The contractor shall provide innovative analytical capabilities in direct response to internal and external J6 customer requirements and requests for support. The contractor shall identify customer requirements, problem sets, capability gaps, and unique tactical requirements. The contractor shall conduct rapid (i.e., delivered by the LTOV, which may range from a few hours to days or weeks depending on mission need) prototyping of analytical, visualization, modelling, and simulation capabilities in direct response to COCOMS, deployed forces, and other end users in operational environments. Innovations are informed by knowledge of intelligence analysis methods and through collaboration with analysts and other users who may be operating in theater, combat zones, or forward-deployed environments (i.e., this does not identify a requirement to perform intelligence analysis under this TO). The contractor shall identify and apply new technologies and methods as technology evolves and new capabilities emerge in commercial, public, and academic sectors. Capabilities may be required in a reach-back capacity to support users operating in potentially bandwidth-constrained environments.

As directed by the JIDO TPOC, the contractor shall deliver capabilities using three delivery models: 1) transactional response to individual RFS (i.e., one-time responses to an RFS), 2) continuous support delivering multiple products and capabilities to on-going customer RFS, and 3) rapid prototyping to develop, test, authorize, and field quick-reaction capabilities. The contractor, as the subject-matter expert, shall identify and recommend advanced tools and software in TO to deliver direct support and rapid innovation. Capabilities shall include the following as well as other mission driven threat network defeat capabilities:

a. **Terrain Analysis** – The contractor shall provide view-shed analysis, path planning, and operations visualization. The contractor shall support vulnerability assessments and other capabilities to assist deployed forces to optimize sensor placement in theatre areas of operation.
b. **3D Scene Visualization** - The contractor shall create three-dimensional (3D) models to support training, force protection, and operations planning and rehearsals. Models may include areas of named interest (cities, villages, supply routes, rivers) in theater using Light Detection and Ranging (LIDAR) when available, Digital Terrain Elevation Data (DTED) and national or commercial imagery as requested by JIDO customers. Models may be produced in lightweight format to support warfighters down range in bandwidth-constrained environments (e.g., KMZ, 3D PDF, Vantage, etc.)
c. **3D Dashboard Application** - The contractor shall develop 3D Dashboard software to allow the Warfighter to manipulate 3D models to add operational graphics, import shape files from GeoBrowser and other applications, create fly-through movies and support counter improvised-threat analysis in new novel manners.
d. **Mission Planning/Force Protection Simulations** – The contractor shall provide mission planning/force protection modeling and simulation expertise, training and software support. Mission planning and force protection shall include analysis of red and blue TTPs, sensors, new/modified military apparatus, blast modeling, vulnerability assessments, and first person shooter scenarios. First person shooter scenarios require development of software using gaming engines. Blast modeling products such as HEXDAM and VAPO are currently used for modeling blast effects. The contractor shall also provide scenario development and training for JIDO teams.
e. **Modeling and Simulation Operations Analysis** - The contractor shall provide research and analysis teams to evaluate new tools and techniques for modeling and simulation of emerging battlefield threats and enemy capabilities. The contractor shall provide blast / explosives simulations for terrain and material construction. This analysis shall include detailed estimations and visualization of effects to personnel and structures in the event of explosive detonation.
f. **Analytic Innovation** – The Contactor shall collaborate with the Government to identify critical analytical and emerging-threat challenges and shall define and execute experiments, prototypes, and proofs of concept to demonstrate innovative capabilities to address the challenges. The contractor shall support capability maturation and operational implementation of successful efforts.

C.4.4.2 SUBTASK 4.2 - PROVIDE DIRECT SUPPORT TO JIDO MISSION PARTNERS

Direct support bridges the gap between JIDO and JIDO's mission partners to connect them to JIDO data, tools and expertise. Direct support personnel facilitate adoption of JIDO capabilities in partner organizations and facilitate incorporation of mission partner data and expertise back into JIDO solution sets. The contractor shall provide Mission IT support to JIDO mission partners and serve as liaison and Mission IT subject matter experts to JIDO mission partners including USG agencies, Combatant Commands, Theater Special Operations Commands (TSOCS), and deployed units as directed by the JIDO TPOC and the FEDSIM COR. The contractor shall provide support at JIDO facilities and partner facilities through permanent duty,

local and long distance travel, and through temporary duty to locations worldwide in support of JIDO initiatives and decisive efforts.

C.4.4.2.1 SUBTASK 4.2.1- PROVIDE ON-SITE SUPPORT TO MISSION-PARTNERS

The contractor shall provide local, on-site mission IT capability and data integration support to JIDO mission partners. The on-site representative serves as subject-matter expert for integration of JIDO capabilities into each partner's mission and as a specialist in harvesting and operationalizing multi-intelligence data. Mission partner support may include:

a. Establishing liaisons and coordinating between JIDO and mission partner personnel,
b. Identifying, coordinating, harvesting, and exposing relevant mission-partner data sources across multiple domains and classification levels for ingestion into JIDO mission IT capabilities,
c. Identifying mission-partner priorities and problem sets in order to identify support gaps,
d. Gathering input and requirements for methodology development, tool modification, and tailored mission support,
e. Providing on-site assistance, instruction, and education to partner-site personnel to enable use of JIDO capabilities,
f. Collaborating with JIDO capability developers to enable customization of mission IT capability features and functionality to meet mission-partner requirements,
g. Applying knowledge of mission-partner AORs, TTPs, operations, and mission priorities to ensure effective augmentation of JIDO data capabilities,
h. Enabling a robust community of users by facilitating sharing of analysis methods and mission IT use cases between partner-site personnel, JIDO analysts, and personnel at other partner sites,
i. Fostering collaboration among mission partners by establishing a Point of Contact (POC) and coordination point for communities of interest,
j. Facilitating collaboration and sharing of data, threat information, and intelligence analysis between JIDO and the mission partners (i.e., this does not identify a requirement to perform intelligence analysis under this TO),
k. Promoting visibility of JIDO capabilities by supporting collaboration events such as technical exchanges, conferences, and seminars among JIDO and the mission partners,
l. Identifying partner requirements for capability training and delivering training or leveraging JIDO training capabilities to meet requirements, and,
m. Drafting agreements and tailoring documentation (**Section F.3, Deliverable 32**) to support adoption and use of JIDO mission IT capabilities at the partner site.

C.4.4.2.2 SUBTASK 4.2.2- PROVIDE MISSION IT INTEGRATION SUPPORT

The contractor shall assist, support, and coordinate the integration of mission IT capabilities into mission-partner IT environments. Activities include identifying technical requirements, coordinating and providing technical support to enable remote access to mission IT, and facilitating adoption and use of JIDO mission IT capabilities by mission partners. The contractor shall identify partner-site IT infrastructure, technology, cybersecurity requirements, and procedures to enable the installation, connection, approval and use of JIDO capabilities.

C.4.4.2.3 SUBTASK 4.2.3- PROVIDE MISSION IT INNOVATION SUPPORT

The contractor shall serve as the subject matter expert on mission-partner operations (e.g., mission priorities, threat-network analysis, organization, intelligence analysis methods and TTPS, etc.). The contractor shall identify mission-partner problem sets, questions, technical challenges, RFS, and urgent needs that can be addressed by JIDO mission IT and analytical capabilities. The contractor shall combine knowledge of mission partner analytical methods and JIDO mission IT capabilities to identify new or modified solutions in support of the mission partner. The contractor shall support development and consolidation of Common Operating Picture (COP) and Common Intelligence Picture (CIP) across mission sets to support decision makers. The contractor shall organize focused teams of technologists, analysts and other personnel to address specialized problem sets or unique mission requirements.

C.4.4.2.4 SUBTASK 4.2.4- PROVIDE DATA SCIENCES AND LIFECYCLE DATA MANAGEMENT

The contractor shall provide data-source, data-integration, and data sciences support to enable applied analytical capabilities. The contractor shall define a methodology and continuously improve the acquisition and integration of data sources for ingestion into mission IT capabilities. The contractor shall identify data sources and provide advice, guidance, tracking, reporting, and technical solutions for ingestion of tactical sensor and other structured and unstructured data sources into mission IT capabilities to satisfy requirements from JIDO and JIDO mission partners. The contractor's recommendations and technical solutions shall be informed by intelligence analysis expertise, lessons learned, and TTPs from tactical environments and deployed forces. The contractor shall report data-source integration schedule, status, and other data-source information, as directed by the JIDO TPOC, and shall support J6 status meetings and decision processes.

The contractor shall provide data sciences support to enable processing of structured and unstructured data to derive patterns, trends, and correlations and to enable entity extraction, disambiguation, COP/CIP solutions, visualization, and other data-related support. The contractor shall identify analytical problem sets, emerging threat trends, and J6 customer requirements for improved capabilities and shall apply data sciences skill sets to solve problems and satisfy requirements. Data sciences shall be applied to multi-intelligence, counter-improvised threat data feeds and repositories to enable query-driven analytics and dynamic, real-time reporting and visualization in response to changing threat, data sources, and JIDO mission requirements. The contractor shall provide data sciences support including, for example, entity extraction, entity resolution, pattern extraction, link analysis, human and social-network links/connections, cloud on-line analytical processing (COLAP), data frameworks, visualization support, and related algorithms.

The contractor shall define and apply a methodology for data mapping, ETL services and to address changing enhanced data integration strategies. The contractor shall develop tools for importing data from disparate defense component databases and other structured and unstructured sources to ensure data feed utility and compatibility with mission IT capabilities as well as for providing a service layer to other agencies. The contractor shall provide technical advice on Mission IT architectural transformations to accommodate data-ingestion requirements.

The contractor shall provide data lifecycle management and metrics reporting, including monitoring data sources, ingested data, and interfaces to determine their usage, mission relevance, and recommendations for deprecation or obsolescence, or replacement with different

data sources. The contractor shall maintain documentation that supports the operational interfacing and the processes that are a part of Mission IT systems, tools, and applications. This includes development of an enterprise data model across the various environments (**Section F.3, Deliverable 33**) and development and maintenance of procedures associated with data interfacing, ingestion, migration, data cleansing, deprecation, etc. (**Section F.3, Deliverable 34**).

C.4.4.2.5 SUBTASK 4.2.5- DEVELOP AGREEMENTS WITH EXTERNAL DATA SUPPLIERS

The contractor shall facilitate and provide technical support to JIDO efforts to develop Memorandum of Agreement (MOA), Memorandum of Understanding (MOU) and other agreements **(Section F.3, Deliverable 32)** with partner agencies to support data ingestion. These agreements detail technical specifics to support data exchanges. This support shall include and the contractor shall support the development of draft agreements, technical specifications, data exchange methods and protocols, data exchange schedules, roles, responsibilities and other information necessary to specify the inter-agency relationship and supply of data for ingest into mission IT capabilities.

C.4.4.2.6 SUBTASK 4.2.6- PROVIDE MISSION IT TRAINING AND CONFERENCE SUPPORT

The contractor shall utilize staff to support ad-hoc tasks to develop and deliver demonstrations, on-site capability training, briefings, operational assistance, and shall support training functions for Mission IT capabilities **(Section F.3, Deliverable 35)**. The contractor shall coordinate and support conferences, technical exchange meetings, and collaboration events among JIDO and JIDO mission partners. This support may require local and long distance travel.

C.5 - TASK 5 – PROVIDE MISSION IT ADDITIONAL AS NEEDED SUPPORT (Optional Task)

Desired outcomes of this task include the ability to rapidly recruit and onboard qualified staff in order to ramp up mission support locally, globally and with inter-agency partners for short notice and emerging requirements.

Unpredictable world events demand that JIDO maintain the capability for additional as needed support in the CONUS and OCONUS, including deployment and hazardous duty/combat zones anywhere in the world. As directed by the FEDSIM COR and JIDO TPOC, the contractor shall provide this additional as needed support in response to changing mission requirements and world events within the scope of this TO anywhere in the world and on very short notice (often 30 days or less).

Additional support requirements are variable in length and level of effort in support of JIDO initiatives, decisive efforts, new mission requirements, emerging problem sets, and inter-agency collaboration and support agreements. Support to this task may be project-based or result in long-term increase in base level of effort. Support may require either short-term (up to one month) or longer-term (one or more months) deployments.

Additional as needed support may be funded by contributions from JIDO mission partners including, for example, Department of Homeland Security (e.g., Customs and Border Patrol, Citizenship and Immigration Services, etc.), Department of Justice (e.g., Federal Bureau of Investigation, Alcohol, Tobacco and Firearms, etc.), United States Air Force, and other mission

partners. The Government will incrementally fund support CLIN(s) when additional support is required. To support JIDO planning and decision processes, the contractor shall deliver cost estimates, level of effort estimates, staffing plans, project plans, technical approach documentation, and other decision support information.

In order to support additional decisive effort and/or technologies and capabilities insertion, the contractor shall:

a. Deploy staff into and out of globally located Joint Task Forces (JTF) and other operational expeditionary locations as requested by JIDO. These types of rotations range in duration, on average, from 90 to 120 days and may include combat zones.
b. Temporarily or permanently, as determined by JIDO, embed staff at designated COCOMs, JTF's, and inter-agency partners within CONUS to support DE missions, exercises and operations.
c. Provide experienced technical staff to increase Modeling and Simulation and other direct-operations support capabilities in support of deployed forces or in response to mission partner RFS.
d. Develop, integrate and deploy new/innovative advanced technologies and capabilities as directed by JIDO on JIDO networks and/or other DOD, IC, or Inter-Agency partner networks.
e. Migrate current capabilities and tools to other Federal Government or commercially hosted networks and cloud services.
f. The contractor shall also provide increased support for data ingestion, data sciences, integration and fusion on demand in response to new and expanding requirements, global events, mission partner requirements, etc.

C.6 - TASK 6 – SUPPORT EMERGING PROBLEM SETS AND INTER-AGENCY AGREEMENTS (Optional Task)

Desired outcomes of this task include providing rapid support to emerging problems and supporting inter-agency requests for support.

The Contractor shall support JIDO initiatives and projects, including Mission IT capabilities support, direct operations support, and innovation support in response to new JIDO mission requirements, warfighter RFS, emerging problem sets, and inter-agency support agreements. For example, the Contractor may staff, build, and train Hybrid All-Source Analyst/Technology innovation teams to support Inter-Agency partners and JIDO mission requirements. Project teams typically perform integration or development of easy-to-use, operationally relevant, advanced analytics and dynamic multi-INT tools and visualizations. A team may consist of a combination of senior all-source analysts who have experience across the IC, DoD and Law Enforcement and technologists who specialize in rapid prototyping. Analysts and technologists rapidly deliver solutions focused on a wide array of strategic and kinetic missions and support operations that leverage data accessibility from across 140+ countries. The project teams may support rapid prototype development, A&A, and deployment to support operations. The contractor shall support up to four simultaneous teams per year, each team composed of up to 12 staff members. Technical requirements for inter-agency support will be specified in agreements

with JIDO mission partners across the USG (e.g. Department of Homeland Security, Department of Justice, United States Coast Guard, etc.).

In order to support emerging problem sets and interagency agreements, the contractor shall:

a. Deploy staff into and out of globally located Joint Task Forces (JTF) and other operational expeditionary locations as requested by JIDO. These types of rotations range in duration, on average, from 90 to 120 days and may include combat zones.
b. Temporarily or permanently, as determined by JIDO, embed staff at designated COCOMs, JTF's, and inter-agency partners within CONUS to support DE missions, exercises and operations.
c. Provide experienced technical staff to increase Modeling and Simulation and other direct-operations support capabilities in support of deployed forces or in response to mission partner RFS.
d. Develop, integrate and deploy new/innovative advanced technologies and capabilities as directed by JIDO on JIDO networks and/or other DOD, IC, or Inter-Agency partner networks.
e. Migrate current capabilities and tools to other Federal Government or commercially hosted networks and cloud services.
f. The contractor shall also provide increased support for data ingestion, data sciences, integration and fusion on demand in response to new and expanding requirements, global events, mission partner requirements, etc.